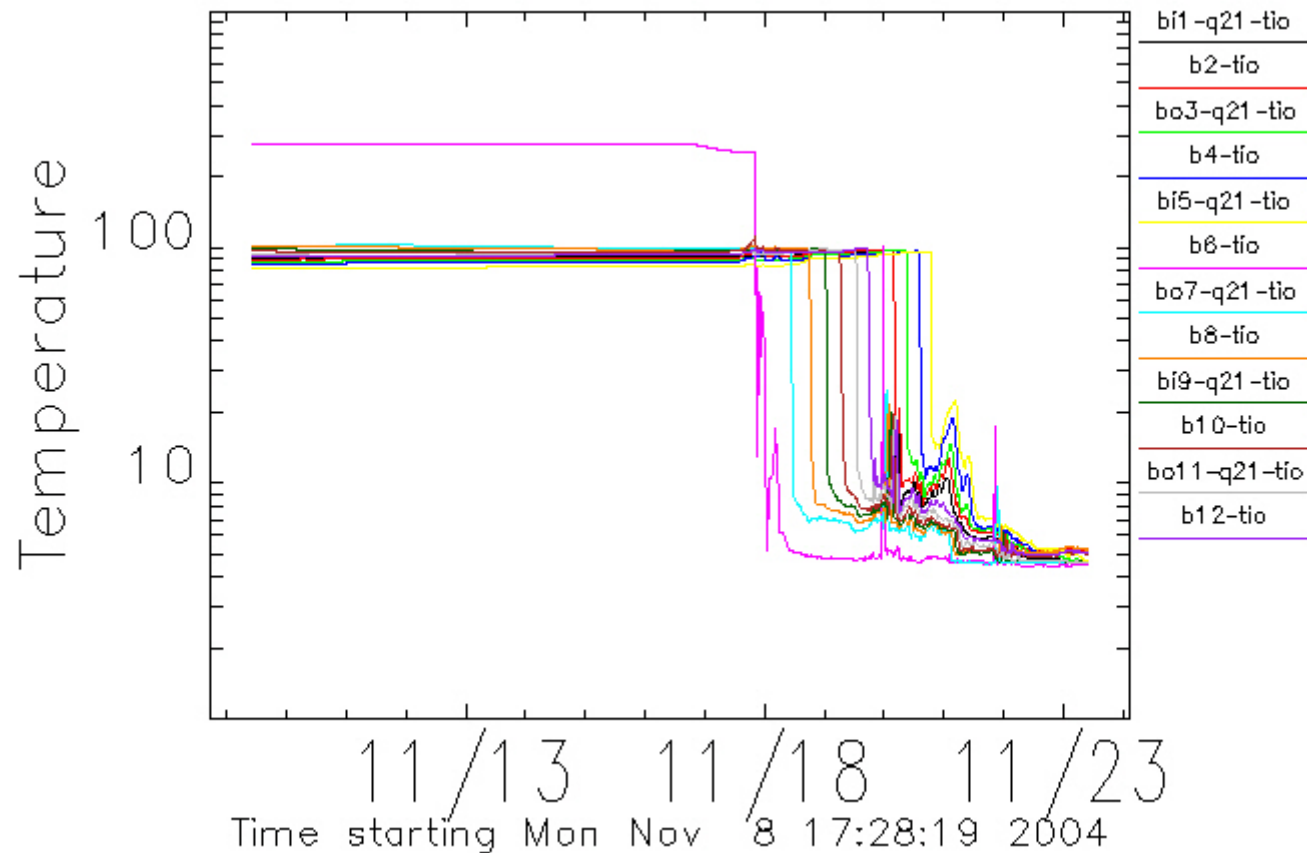




# Run-5 update



Cryo wave in blue

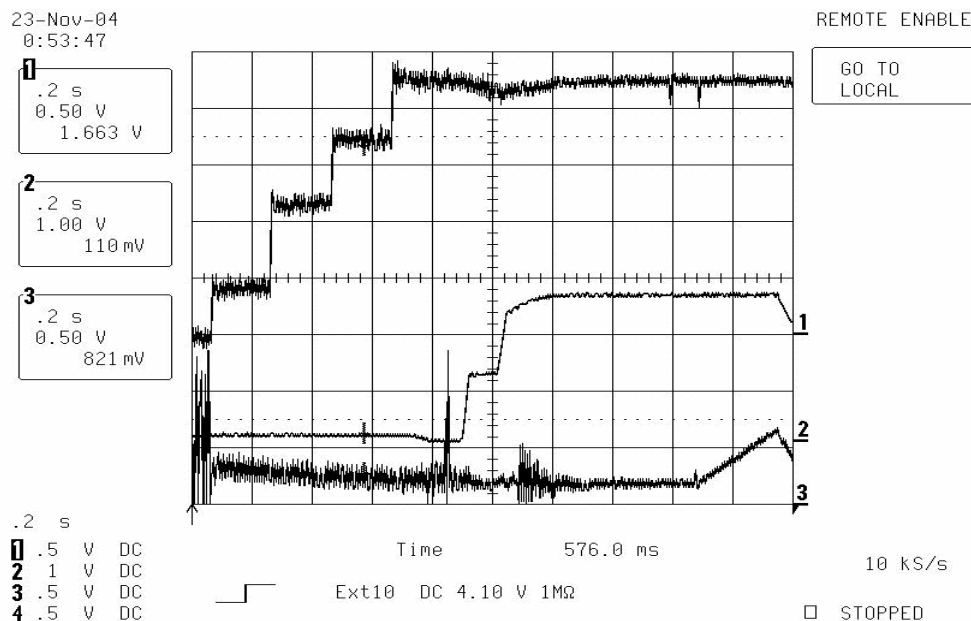
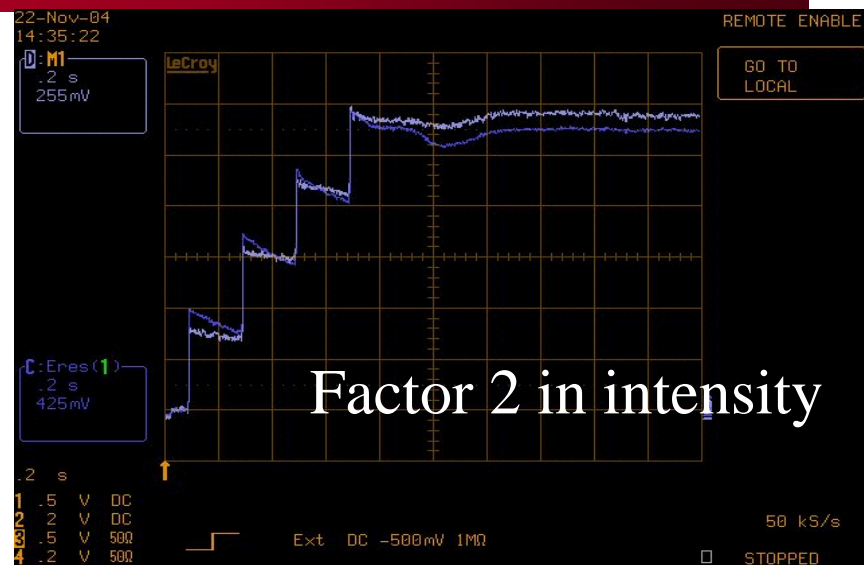
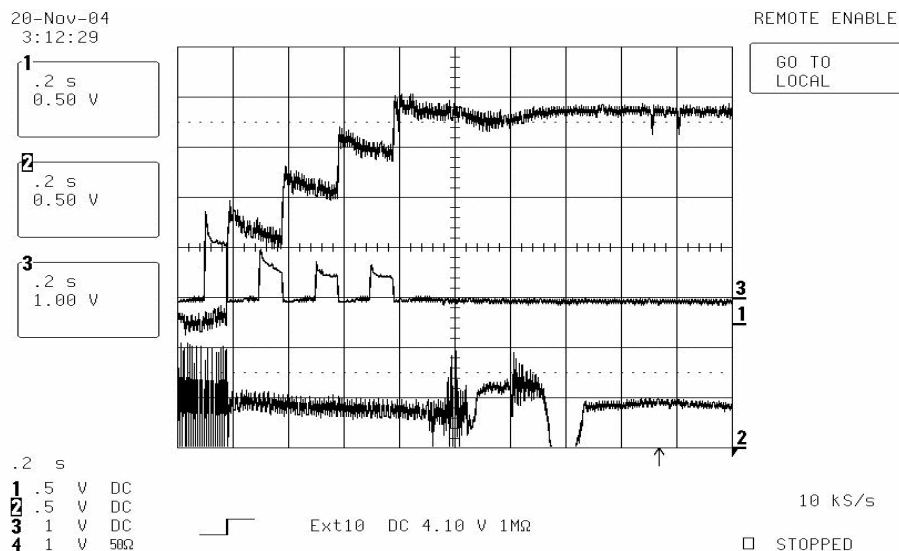
PS testing “followed the wave”

→ beam at RHIC injection last night (no hysteresis)



# Injectors set-up

Keith, operations, Tandem



Progress in injectors tuning:

- ❑ Tandem has worked on evening transfers to Booster
- ❑ Zeno tuning in Booster/AGS

Booster input: 100e9

Booster late: 27e9

AGSCBM: 21e9

AGS late: 20e9 → 4-5e9 in RHIC

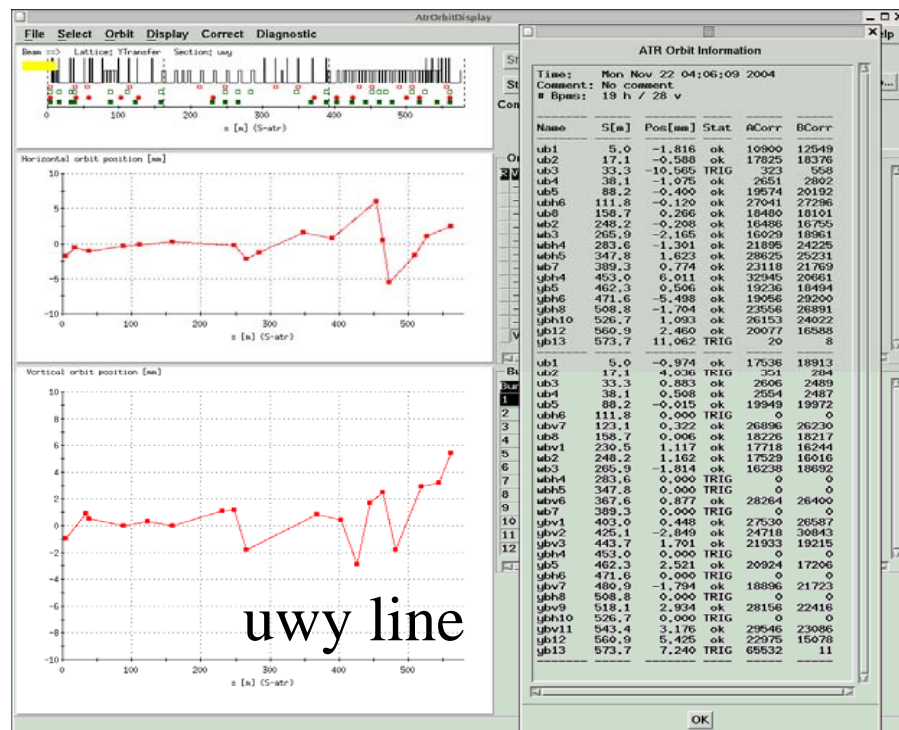
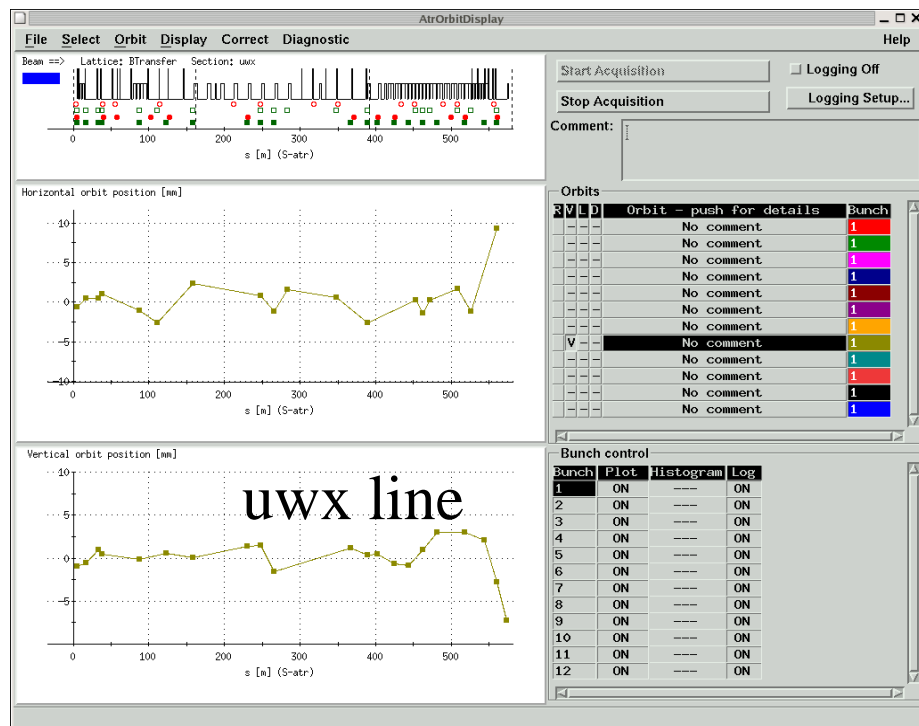


# ATR set-up

Woody, Nick, Greg + operations

Saturday, Sunday, last night work with beam

- ❑ Orbit tuning
- ❑ Dispersion measurement
- ❑ Emittance measurements with u, w, x flags - work in progress

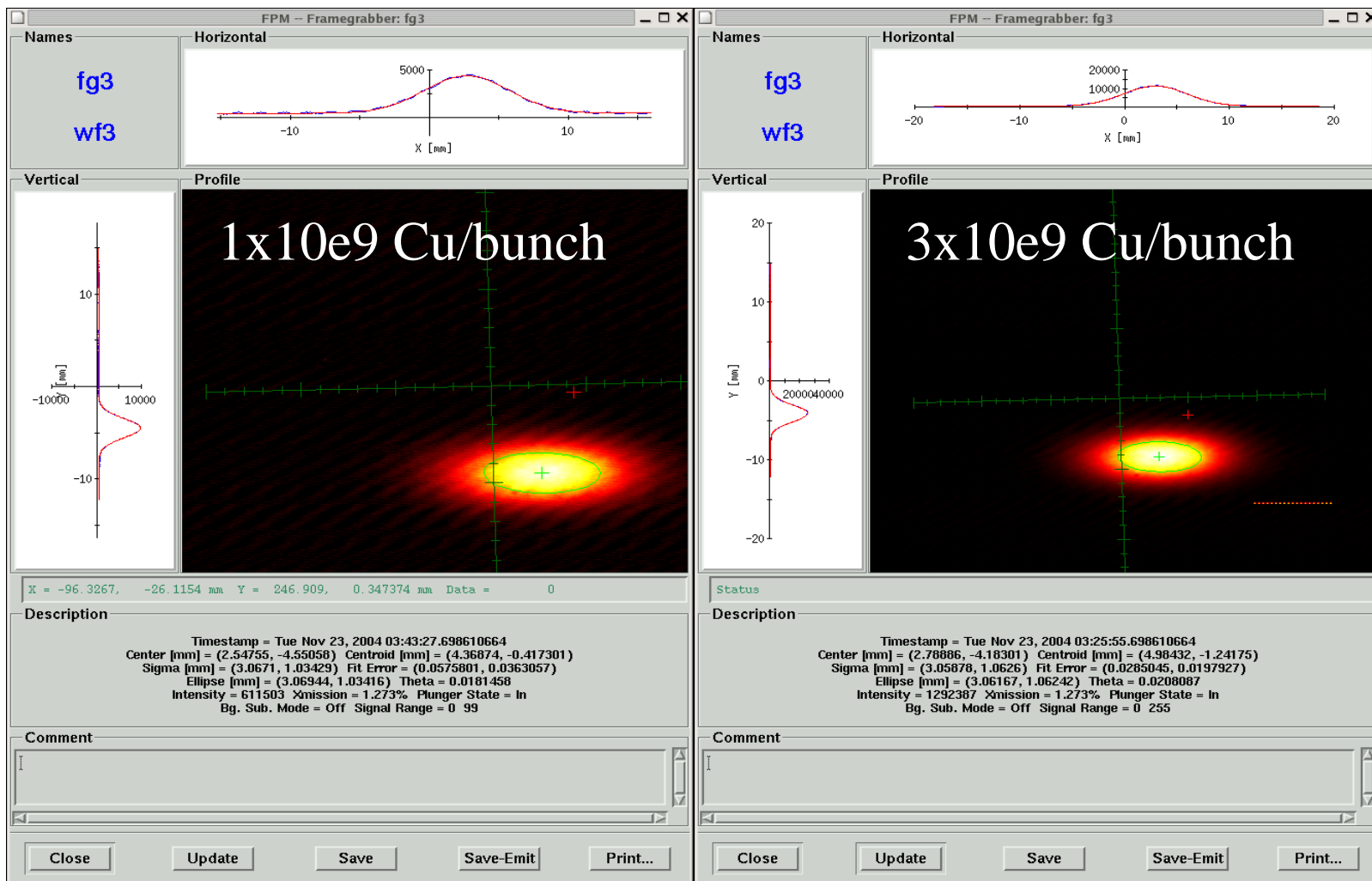




# AtR set-up 2

Greg

## Comparison flag profile with different bunch intensity

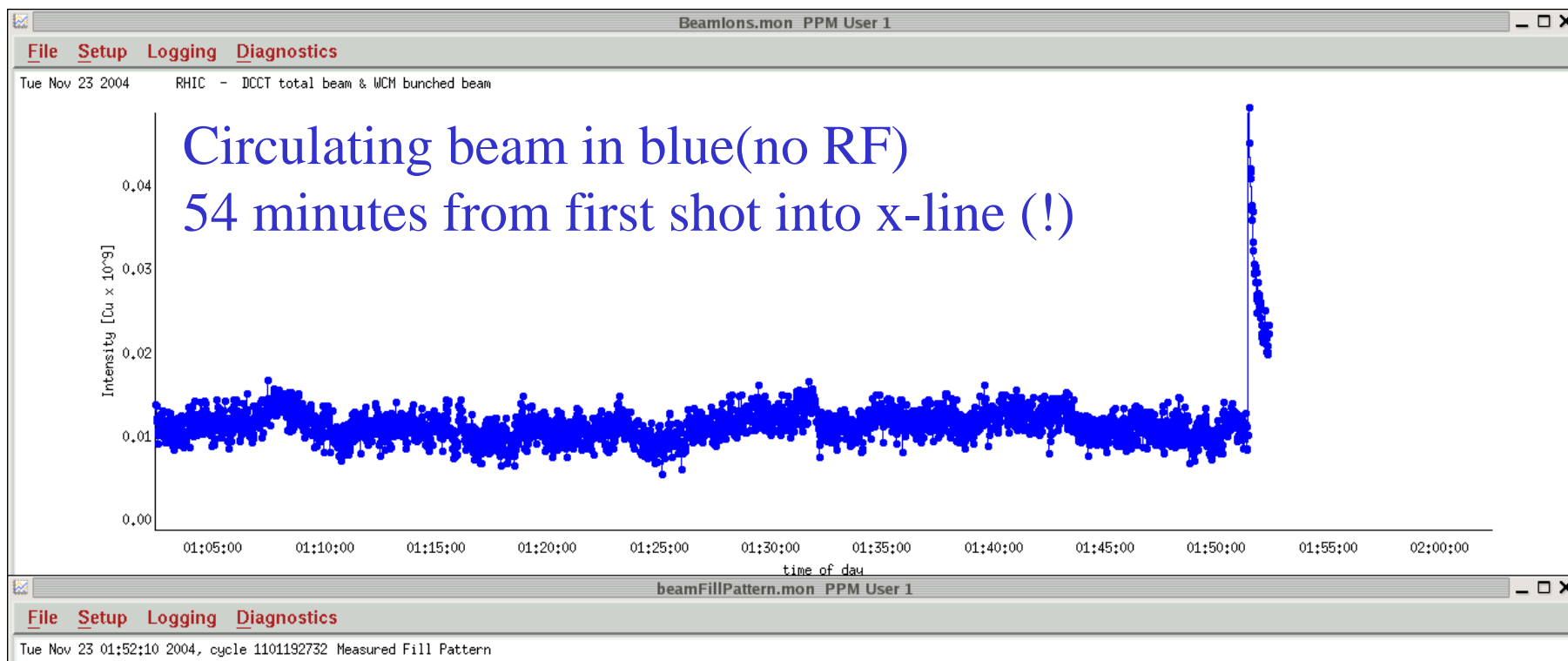




# RHIC first night '05

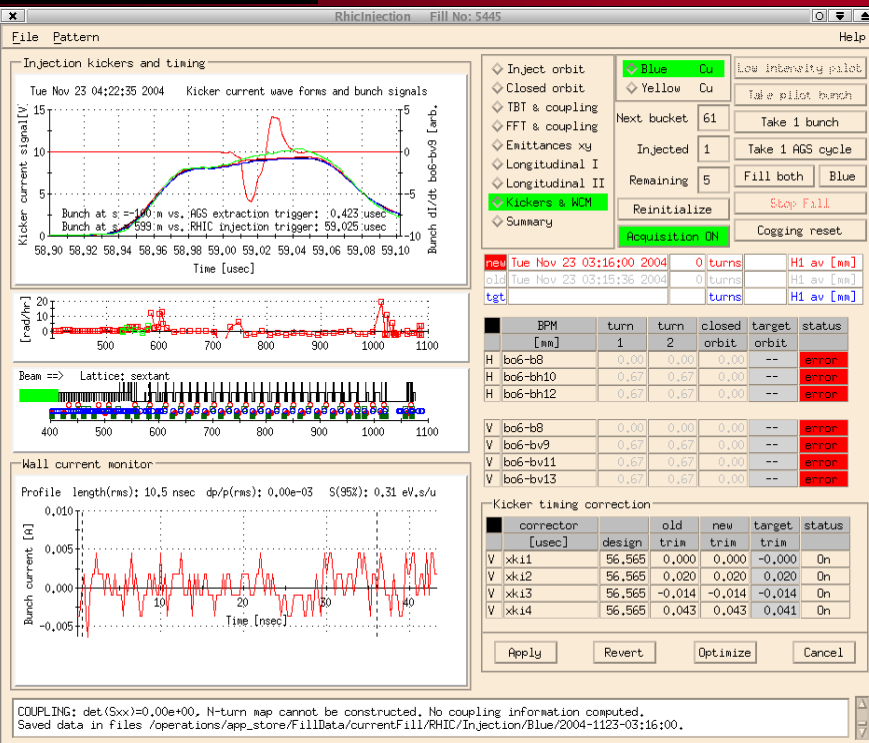
Todd, Greg  
+ Wolfram, Dejan, Operations

- ❑ Verified orbit through uwx line and injection into RHIC
- ❑ Threaded cleanly through Lambertson and established circulating beam (see 01:52 entry)
- ❑ Injection kicker timed in
- ❑ Blue BPMs timed in and put on turn 5
- ❑ Swapped BPM timing cables fixed in alcove 1A
- ❑ AGS field correction/low intensity bunch interlock tested successfully
- ❑ Difference orbit data taken for Blue BPM polarity check

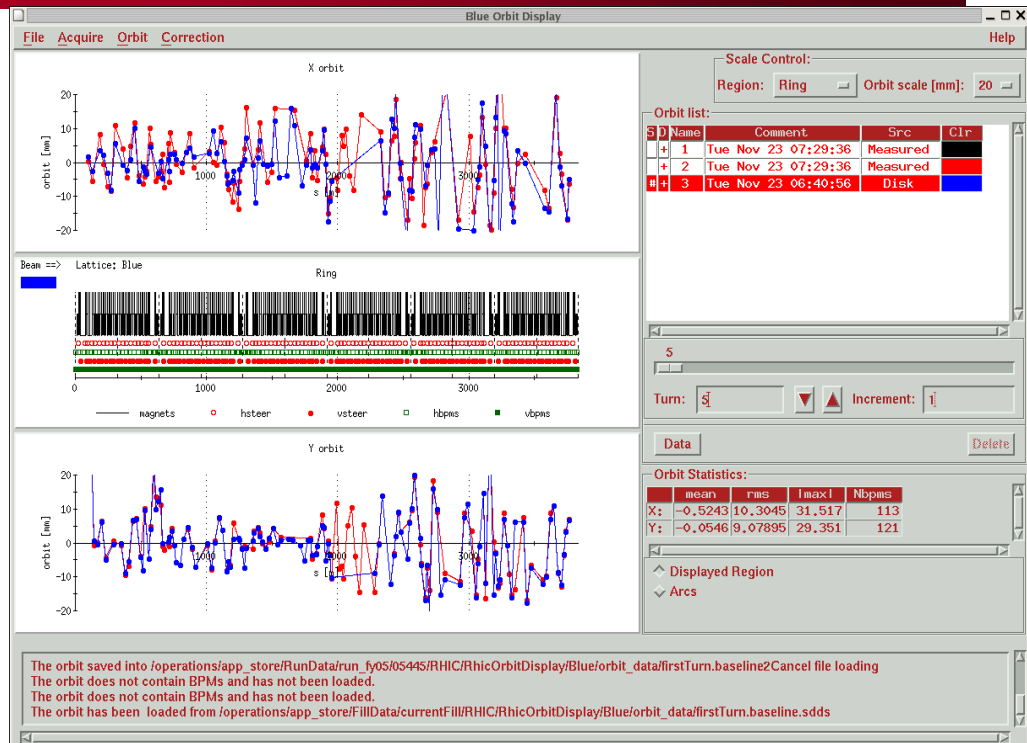




# RHIC first night – con't



Blue kicker timing



BPM timing (swap BPM cable alcove 1A)

**Tonight (Cryo, PS, RF .....work during the day)**

- ❑ Injection set-up (after hysteresis)
- ❑ RF capture
- ❑ *Start instrumentation set-up*